



# **Richland County Stormwater Management Division**

## **Capital Improvement Projects (CIPs)**

*Last updated: September 28, 2020*

*Site 1: Devils Ditch Drainage Maintenance Project (Estimated Cost: \$380,479.00)*

**Status:** Completed (Design Phase: 100% completed & Construction Phase: 100% completed)

**Location:** Devil's Ditch, near Owens Field Airport

The general scope of the Devils Ditch Maintenance Project is to perform maintenance and repairs to Devils Ditch. This includes removal of overgrown vegetation, removal of accumulated sediment and debris, and application of appropriate bank and bed "localized" stabilization to prevent future erosion/scouring. Existing stabilization measures will be rehabilitated as necessary to optimize stabilization in respective areas.

*Site 2: Spring Valley Little Jackson Creek Stream mitigation, Stream restoration and Regenerative Stormwater conveyance (Estimated Cost: \$1.2 Million)*

**Status:** In progress (Design Phase: 80% completed & Construction Phase: 0% completed)

**Location:** Spring Valley Subdivision adjacent to stream

The project began in early 2013 and is part of an overall strategy to improve water resources and quality in the Gills Creek Watershed. Erosion of the streambed and side slopes has potentially compromised the integrity of the adjacent rail bed and is beginning to cause property damage along the adjacent residential properties (Spring Valley Subdivision). Transported sediment has contributed to siltation in Lake reducing the capacity for regional drainage detention, degrading water quality and creating a negative impact on the lake habitat.

*Site 3: Knollwood Drive Drainage Study and Property Buyouts (Estimates Cost: Grant Funds additional \$2.1 Million Construction)*

**Status:** In progress (Design/Study Phase: 100% completed & Construction Phase: 95% completed)

**Location:** Flooding of Properties along channel between Knollwood Drive and Planter Drive

Purchasing the properties adjacent to the concrete lined channel that currently experience flooding under various storm events, but the overall goal of the project will now be to permanently address water quality and flooding for this area as much as practical and feasible with the property and resources available to the County.

*Site 4: Decker Pond Retrofit of Existing Detention Pond (Estimates Cost: \$28,000.00 Construction)*

**Status:** In progress (Design Phase: 100% completed & Construction Phase: 100% completed)

**Location:** Upstream of existing recreational pond below Kendall Green Drive

A small Stormwater detention pond and drainage ditch that will be retrofitted to handle current design storm events, but the overall goal of the project will now be to permanently address water quality for this area as much as practical and feasible with the property and resources available to the County.

*Site 5: Mountainbrook Subdivision Drainage Ditch Stabilization Project  
(Estimates Cost: \$73,845.00 Design & \$730,643.24 Construction)*

**Status:** In progress (Study/Design Phase: 100% completed & Construction Phase: 100% completed)

**Location:** Upstream drainage ditch stabilization near Leesburg Road through Mill Creek near Pleasant Ridge Drive

Channel stabilization will be addressed as part of this project, but the overall goal of the project will now be to permanently address water quality for this area as much as practical and feasible with the property and resources available to the County.

*Site 6: Melody Gardens Stream/Ditch Stabilization Project (Estimates Cost: \$165,847.00 Design & \$400,000 Construction)*

**Status:** In progress (Study/Design Phase: 100% completed & Construction Phase: 10% completed)

**Location:** Upstream drainage ditch stabilization near Firelane road on the backside of Moonglo Circle.

Channel stabilization will be addressed as part of this project, but the overall goal of the project will now be to permanently address water quality for this area as much as practical and feasible with the property and resources available to the County.

*Site 7: Danbury Basin Area Improvements Project (Estimates Cost: \$280,000.00 Design/ CGBD-DR Grant \$2.1 Million)*

**Status:** In progress (Study/Design Phase: 90% completed & Construction Phase: 0% completed)

**Location:** The project area will extend from the North 21 Terrace development above Mason Road down to the regional detention pond on the Full Gospel Word & Worship church property at 6015 N. Main Street.

Channel stabilization will be addressed as part of this project, but the overall goal of the project will now be to permanently address water quality for this area as much as practical and feasible with the property and resources available to the County. These improvements are to help the existing pond on the church property to provide more peak detention during design events and help the drainage system within the basin to meet the 10-year level of service.

*Site 8: Knollwood Drive Drainage Project (Estimates Cost: \$99,063.00 Design & \$200,000.00 Construction)*

**Status:** In progress (Design/Study Phase: 100% completed & Construction Phase: 0% completed)

**Location:** Flooding of Properties along channel between Knollwood Drive and Planter Drive

This project will consist of the design and installation of measures to improve drainage and flooding issues in an existing drainage ditch/channel. The project area will extend between Knollwood and Planters Drive. The goal is for these improvements to help the existing channel to reduce flooding at peak flows during design events and help the drainage system within the basin to meet the 10-year level of service. The design must take into consideration all county design standards for water quantity and quality. These improvements are to serve as an innovative example of stormwater best management practice.

*Site 9: Hickory Ridge Development Drainage Study (Estimates Cost: \$58,000.00 Design & \$200,000.00 Construction)*

**Status:** In progress (Design/Study Phase: 20% completed & Construction Phase: 0% completed)

**Location:** The Hickory Ridge Development area extends between Bitternut Drive, Ragsdale drive, Shellnut Avenue and Hickory Ridge Drive.

This project will consist of assessing the flood and water quality risks in the watershed. The consultant must develop a plan to reduce the flood risk and improve water quality. Recommendations in the plan must include both engineered and natural solutions.